

WHAT IS CLAIMED IS:

1. A baffle comprising:
a plurality of substantially S-shaped baffle members; and
a frame configured to hold the baffle members substantially parallel to each other;
wherein the baffle is configured to separate one or more entrained substances from an air stream.
2. The baffle of claim 1, wherein at least a portion of the baffle members overlap.
3. The baffle of claim 2, wherein the overlapping substantially S-shaped baffle members form a plurality of channels, each channel having a single entry opening and a single exit opening.
4. The baffle of claim 1, wherein the baffle is configured to be included as part of a separation cartridge, the separation cartridge further comprising at least one other separation medium.
5. The baffle of claim 1, wherein the baffle members comprise rounded edges.
6. A baffle comprising:
a frame; and
a plurality of substantially S-shaped baffle members;
wherein the frame is configured to hold the baffle members in an overlapping, substantially parallel relationship to each other.
7. The baffle of claim 6, wherein the baffle is configured to be mounted to a kitchen hood.
8. The baffle of claim 6, wherein the baffle members comprise rounded edges.
9. The baffle of claim 6, wherein the baffle members define a plurality of channels in which are positioned a separation media.

10. A kitchen hood comprising:
 - a frame which comprises a first side and a second side;
 - a plurality of baffle members each of which comprises a first surface that extends from the first side of the frame to the second side of the frame, the first surface being bent at a first angle and at a second angle, the first angle being greater than 180 degrees and the second angle being less than 180 degrees, the angles being measured from the first surface.
11. The kitchen hood of claim 10, wherein the plurality of baffle members are substantially S-shaped.
12. The kitchen hood of claim 11, wherein the plurality of baffle members are Z-shaped.
13. The kitchen hood of claim 10, wherein the baffle members are substantially parallel to each other and overlap with each other.
14. The kitchen hood of claim 10, wherein the baffle members comprise rounded edges.
15. The kitchen hood of claim 10, further comprising a separation cartridge that comprises the baffle and at least one other separation medium, the separation cartridge being configured to be mounted to a kitchen hood.
16. A baffle to remove a substance from an air stream comprising:
 - a frame which includes a first side and a second side; and
 - a plurality of baffle members, the baffle members being substantially parallel to each other and extending between the first side of the frame and the second side of the frame, the baffle members defining a plurality of channels each comprising a single entry opening and a single exit opening.
17. The baffle of claim 16, wherein the minimum amount a substance must be deflected to pass through the channels is at least approximately 180 degrees.
18. The baffle of claim 16, wherein the baffle members comprise rounded edges.

19. The baffle of claim 16, wherein the minimum amount a substance must be deflected to pass through the channels is at least approximately 200 degrees.

20. A baffle comprising:
a plurality of baffle members each of which includes rounded edges configured to deflect an air stream as it passes through the baffle; and
a frame configured to hold the baffle members in a substantially parallel relationship to each other.

21. The baffle of claim 20, wherein a radius of one of the rounded edges of one baffle member is at least approximately 1.5 times a thickness of a wall of the one baffle member.

22. The baffle of claim 20, wherein a radius of the rounded edges is not less than approximately 0.38 millimeters.

23. The baffle of claim 20, wherein the rounded edges are made by folding a wall of a baffle member over on itself.

24. A kitchen hood comprising a baffle, the baffle including a plurality of baffle members each of which comprises rounded edges.

25. The kitchen hood of claim 24, wherein the baffle members are substantially S-shaped.

26. A baffle comprising:
a plurality of baffle members; and
a frame configured to hold the baffle members in an overlapping, substantially parallel relationship to each other;
wherein at least some of the baffle members are shaped similar to two conjoined U shapes.

27. The baffle of claim 26, wherein the baffle members that are shaped similar to two conjoined U shapes are shaped similar to an S shape.

28. A baffle comprising:
a plurality of baffle members defining a plurality of channels, each channel being configured to deflect an air stream as the air stream passes through the channel;
a frame configured to hold the baffle members in a substantially parallel relationship to each other; and
separation media positioned inside the channels.
29. The baffle of claim 28, wherein the separation media comprises inorganic particles.
30. The baffle of claim 29, wherein the inorganic particles are porous.
31. The baffle of claim 28, wherein the separation media comprises a fibrous material.
32. A kitchen hood comprising a baffle which includes a plurality of substantially S-shaped baffle members, the baffle members being configured to separate one or more entrained substances from an air stream.
33. A baffle comprising:
a plurality of baffle members each of which comprises a base, a first side wall, and a second side wall, the side walls extending outwardly from the same side of the base; and
a frame configured to hold the baffle members in a substantially parallel relationship to each other, the baffle members also being arranged in at least two offset and opposed rows where the first and second side walls of one baffle member extend toward the first and second side walls of the opposed baffle members;
wherein the base of at least some of the baffle members comprises a recess where the base extends toward a space which is between two adjacent opposed baffle members.

34. A baffle comprising:
a plurality of baffle members each of which comprises a base, a first side wall, and a second side wall, the side walls extending outwardly from the same side of the base; and
a frame configured to hold the baffle members in a substantially parallel relationship to each other, the baffle members also being arranged in at least two opposed rows where the first side wall of one baffle member extends toward and overlaps the first side wall of another baffle member in an interlocking relationship and the second side wall of the one baffle member extends toward and overlaps the second side wall of yet another baffle member in an interlocking relationship.
35. A method of making a baffle comprising:
providing a plurality of substantially S-shaped baffle members;
coupling the plurality of S-shaped baffle members to a frame, the frame comprising a first side and a second side, the baffle members extending from the first side to the second side and being positioned substantially parallel to each other.
36. A method for separating an entrained substance from an air stream comprising passing an air stream through a plurality of substantially S-shaped baffle members, the S-shaped baffle members being held substantially parallel to each other by a frame.
37. A baffle comprising:
means for separating an entrained substance from an air stream; and
a frame configured to hold the means.
38. The baffle of claim 37, wherein the means are substantially S-shaped.